

OY 61 FEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 104
 DB 84 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 127

RESULT 2

Q80VX5 PRELIMINARY; PRT; 127 AA.

AC Q80VX5: 01-MAR-2002 (TREMBLrel. 20, Created)

DT 01-MAR-2002 (TREMBLrel. 20, Last sequence update)

DE 01-JUN-2002 (TREMBLrel. 21, Last annotation update)

GN Oncocase precursor.

OS Rana pipiens (Northern leopard frog).

OC Amphibia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

NCBI_TaxID=8404; Batrachia; Anura; Neobatrachia; Ranoidae; Rana;

RP SEQUENCE FROM N.A.

RA Liao Y.-D., Wang S.-C.,

RT "Rana pipiens onconase genomic DNA."

DR EMBL; AF332139; AAL54383.1; Submitted (DEC-2000) to the EMBL/GenBank/DBJ databases.

DR InterPro: IPR001427; RNaseA.

DR Pfam: PF00074; RNaseA; 1.

DR ProDom: PD000535; RNaseA; 1.

DR SMART: SM00092; RNase_Pc; 1.

DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.

FT SIGNAL.

FT SIGNAL.

SEQUENCE 127 AA; 14469 MW; 953F90D351CFEEF3 CRC64;

Query Match

Best Local Similarity 94.5%; Score 547; DB 13; Length 127;

Matches 98; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

OY 1 QDMLTFOKKHLNTRDVCNNTLSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60

DB 24 QDMLTFOKKHLNTRDVCNNTLSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 83

OY 61 FEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 104

DB 84 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 127

RESULT 3

Q9DFY6 PRELIMINARY; PRT; 129 AA.

AC Q9DFY6: 01-MAR-2001 (TREMBLrel. 16, Created)

DT 01-OCT-2001 (TREMBLrel. 18, Last sequence update)

DE 01-DEC-2001 (TREMBLrel. 19, Last annotation update)

OS Rana catesbeiana (Bull frog).

OC Amphibia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

NCBI_TaxID=8400; Batrachia; Anura; Neobatrachia; Ranoidae; Rana;

RP SEQUENCE FROM N.A.

RA Liao Y.-D., Huang H.-C., Leu Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.,

RT "Purification and cloning of cytotoxic ribonucleases from Rana

NUcleic Acids Res. 28:4097-4104(2000).

RN [2]

RP SEQUENCE FROM N.A.

RA Liao Y.-D., Huang H.-C., Leu Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.,

RT Submitted (JUN-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AF242553; AAG31441.2; HSP; P22069; 10NC.

DR InterPro: IPR001427; RNaseA.

DR Pfam: PF00074; RNaseA; 1.

DR ProDom: PD000535; RNaseA; 1.

DR SMART: SM00092; RNase_Pc; 1.

DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.

KW SIGNAL.

FT SIGNAL.

FT CHAIN

SEQUENCE 129 AA; 14724 MW; 826A62882B10ABDA CRC64;

Query Match

Best Local Similarity 65.7%; Score 395.5; DB 13; Length 129;

Matches 69; Conservative 17; Mismatches 18; Indels 1; Gaps 1;

OY 1 QDMLTFOKKHLNTRDVCNNTLSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60

DB 24 QDMLTFOKKHLNTRDVCNNTLSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 83

OY 61 FEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 104

DB 84 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 127

RESULT 4

Q9DFY8 PRELIMINARY; PRT; 128 AA.

AC Q9DFY8: 01-MAR-2001 (TREMBLrel. 16, Created)

DT 01-MAR-2001 (TREMBLrel. 16, Last sequence update)

DE 01-DEC-2001 (TREMBLrel. 19, Last annotation update)

OS Rana catesbeiana (Bull frog).

OC Amphibia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

NCBI_TaxID=8400; Batrachia; Anura; Neobatrachia; Ranoidae; Rana;

RP SEQUENCE FROM N.A.

RA Liao Y.-D., Huang H.-C., Leu Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.,

RT "Purification and cloning of cytotoxic ribonucleases from Rana

NUcleic Acids Res. 28:4097-4104(2000).

RN [2]

RP SEQUENCE FROM N.A.

RA Liao Y.-D., Huang H.-C., Leu Y.-J., Wei C.-W., Tang P.-C., Wang S.-C.,

RT Submitted (AUG-2001) to the EMBL/GenBank/DBJ databases.

DR EMBL; AF242553; AAG31459.1; HSP; P22069; 10NC.

DR InterPro: IPR001427; RNaseA.

DR Pfam: PF00074; RNaseA; 1.

DR ProDom: PD000535; RNaseA; 1.

DR SMART: SM00092; RNase_Pc; 1.

DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.

KW SIGNAL.

FT SIGNAL.

FT CHAIN

SEQUENCE 128 AA; 14839 MW; 989719CF52053ECC CRC64;

Query Match

Best Local Similarity 65.6%; Score 380; DB 13; Length 128;

Matches 69; Conservative 11; Mismatches 24; Indels 0; Gaps 0;

OY 1 QDMLTFOKKHLNTRDVCNNTLSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 60

DB 24 QDMLTFOKKHLNTRDVCNNTLSTNLFHCKDKNTFTYSRPPVKAICKGIASKNVLT 83

OY 61 FEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 104

DB 84 SEFYLSDCNVTSRPCKYKLRKSTNFCVTCENQAPVHFGVGHG 127

[illegible]

GN RCR.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.
RC TISSUE=LIVER;
RX MEDLINE=98165825; PubMed=9497370;
RA Huang H.C., Wang S.C., Liew Y.J., Lu S.C., Liao Y.D.;
RT "The Rana catesbeiana rcr gene encoding a cytotoxic ribonuclease.
RT Tissue distribution, cloning, purification, cytotoxicity, and active
RT residues for RNase activity.";
RL J. Biol. Chem. 273:6395-6401(1998).
DR EMBL: AF039104; AAD10702.1; -
DR HSSP: P11916; 1BC4.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; rnasea; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
FT CHAIN.
SQ SEQUENCE 133 AA; 14762 MW; A7D62594F7D16F0C CRC64;
Query Match 49.4%; Score 286; DB 13; Length 133;
Best Local Similarity 48.6%; Pred. No. 5.2e-25;
Matches 54; Conservative 16; Mismatches 33; Indels 8; Gaps 3;

OY 1 ODMLTFOKKHLTNTRDVCNNILSTNLF---HCKDKNTFYSRPEPKAKICGIIASKN 56
RC TISSUE=LIVER;
RA Liao Y.-D., Tang P.-C., Jeng J.-T.;
RL Submitted (MAR-2001) to the EMBL/Genbank/DBJ databases.
DR EMBL: AF351207; AAK30253.1; -
DR EMBL: AF359578; AAL87036.1; -
DR HSSP: P11916; 1BC4.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; rnasea; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
FT CHAIN.
SQ SEQUENCE 132 AA; 14412 MW; 131A745187978687 CRC64;

RESULT 9
O98SL9 PRELIMINARY; PRT; 133 AA.
AC O98SL9;
DT 01-JUN-2001 (TREMBLrel. 17, Created)
DT 01-JUN-2001 (TREMBLrel. 17, Last sequence update)
DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)
DE RNase A-type ribonuclease rc212 precursor.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=21539506; PubMed=11683320;
RA Rosenberg H.F., Zhang J., Liao Y.-D., Dyer K.D.;
RT "Rapid diversification of RNase A superfamily ribonuclease from the
RT bullfrog, Rana catesbeiana.";
RL J. Mol. Evol. 53:31-38(2001).
DR EMBL: AF351210; AAK30256.1; -
DR HSSP: P11916; 1BC4.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; rnasea; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
FT CHAIN.
SQ SEQUENCE 133 AA; 14615 MW; C8785B236B2654E CRC64;

Query Match 48.4%; Score 280; DB 13; Length 133;
Best Local Similarity 46.8%; Pred. No. 2.5e-24;
Matches 52; Conservative 17; Mismatches 34; Indels 8; Gaps 3;

OY 1 ODMLTFOKKHLTNTRDVCNNILSTNLF---HCKDKNTFYSRPEPKAKICGIIASKN 56
RC TISSUE=LIVER;
RA Liao Y.-D., Tang P.-C., Jeng J.-T.;
RL Submitted (MAR-2001) to the EMBL/Genbank/DBJ databases.
DR EMBL: AF351207; AAK30253.1; -
DR EMBL: AF359578; AAL87036.1; -
DR HSSP: P11916; 1BC4.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; rnasea; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
FT CHAIN.
SQ SEQUENCE 132 AA; 14412 MW; 131A745187978687 CRC64;

RESULT 10
O98SM2 PRELIMINARY; PRT; 132 AA.
AC O98SM2;
DT 01-JUN-2001 (TREMBLrel. 17, Created)
DT 01-JUN-2001 (TREMBLrel. 17, Last sequence update)
DT 01-JUN-2002 (TREMBLrel. 21, Last annotation update)
DE RNase A-type ribonuclease rc203 precursor (RC-RNase7 precursor).
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.

OY 1 ODMLTFOKKHLTNTRDVCNNILSTNLF---HCKDKNTFYSRPEPKAKICGIIASKN 56
RC TISSUE=LIVER;
RA Liao Y.-D., Tang P.-C., Jeng J.-T.;
RL Submitted (MAR-2001) to the EMBL/Genbank/DBJ databases.
DR EMBL: AF351207; AAK30253.1; -
DR EMBL: AF359578; AAL87036.1; -
DR HSSP: P11916; 1BC4.
DR InterPro: IPR001427; RNaseA.
DR Pfam: PF00074; rnasea; 1.
DR ProDom: PD000535; RNaseA; 1.
DR SMART: SM00092; RNase_Pc; 1.
DR PROSITE: PS00127; RNASE_PANCREATIC; UNKNOWN_1.
KW Signal.
FT SIGNAL.
FT CHAIN.
SQ SEQUENCE 132 AA; 14412 MW; 131A745187978687 CRC64;
Query Match 48.2%; Score 279; DB 13; Length 132;
Best Local Similarity 46.8%; Pred. No. 3.3e-24;
Matches 52; Conservative 14; Mismatches 37; Indels 8; Gaps 3;

RESULT 11
O98SL8 PRELIMINARY; PRT; 133 AA.
AC O98SL8;
DT 01-JUN-2001 (TREMBLrel. 17, Created)
DT 01-JUN-2001 (TREMBLrel. 17, Last sequence update)
DT 01-DEC-2001 (TREMBLrel. 19, Last annotation update)
DE RNase A-type ribonuclease rc218 precursor.
OS Rana catesbeiana (Bull frog).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Amphibia; Batrachia; Anura; Neobatrachia; Ranoidae; Ranidae; Rana.
NCBI_TaxID=8400;
RN [1]
RP SEQUENCE FROM N.A.

